

May 15, 2001

Dear Colleague:

We are initiating a national search for the National Science Foundation's Assistant Director for Computer and Information Science and Engineering (CISE), and seek your assistance in the identification of candidates. Dr. Ruzena Bajcsy will be completing her assignment in this position this summer, having served in this position with distinction since December 1998. Her departure upon her return to the University of Pennsylvania will be a loss to the Foundation.

The Assistant Director, CISE, manages a Directorate comprised of five divisions: Computer-Communications Research, Information and Intelligent Systems, Advanced Networking Infrastructure and Research, Advanced Computational Infrastructure and Research, and Experimental and Integrative Activities. Enclosed is an information sheet that summarizes the Directorate's activities and the responsibilities of the position, together with the criteria that will be used in the search. Employment may be on a temporary or permanent basis in the Federal Service or by temporary assignment under provisions of the Intergovernmental Personnel Act.

We are very pleased to announce that Dr. John Hennessy, President, Stanford University, has agreed to head the Screening Committee. Both we and the Committee seek your help in identifying candidates with the following qualifications: outstanding leadership; a deep sense of scholarship; a grasp of the issues facing computer and information science and engineering in education and research; and the ability to serve effectively as a key member of the NSF management team. We are especially interested in identifying women, members of minority groups, and persons with disabilities for consideration. Recommendations of individuals from any sector -- academic, industry, or government -- are welcome.

Please send your recommendations, including any supporting information which you might be able to provide, to the AD/CISE Screening Committee via e-mail (cisesrch@nsf.gov) or at the following address: National Science Foundation, Office of the Director, Suite 1205, 4201 Wilson Boulevard, Arlington, VA 22230. We would appreciate receiving your recommendations by June 22, 2001.

Your assistance in this very important task is appreciated.

<signed>
Rita R. Colwell
Director

Enclosures

The National Science Foundation
Directorate for Computer and Information Science and Engineering

The **National Science Foundation** (NSF) is an independent agency of the United States Government. Its vision is to enable the nation's future through discovery, learning and innovation. In pursuit of this vision, NSF invests in (1) PEOPLE to develop a diverse, internationally competitive and globally-engaged workforce of scientists, engineers and well-prepared citizens; (2) IDEAS to provide a deep and broad fundamental science and engineering knowledge base; and (3) TOOLS to provide widely accessible, state-of-the-art science and engineering infrastructure. All of these goals work in concert. The Foundation seeks to realize these three goals through core strategies: developing intellectual capital; integrating research and education; and promoting partnerships among institutions involved in science and engineering research and education.

The **Directorate for Computer and Information Science and Engineering** (CISE) is one of seven NSF directorates and is organized into five divisions: Computer-Communications Research; Information and Intelligent Systems; Advanced Networking Infrastructure and Research; Advanced Computational Infrastructure and Research; and Experimental and Integrative Activities. The directorate employs approximately 81 staff members and administers a budget of approximately \$388 Million (FY 2001). CISE is inherently multidisciplinary. In addition to supporting computer, communications, and information scientists and engineers, it also encourages collaboration with engineers, mathematicians, physical, biological and cognitive scientists, and behavioral, economic, and social scientists. The AD CISE has responsibility for overseeing the NSF wide Information Technology Research Initiative as well as leading CISE directorate participation in the Foundation's other four initiatives.

The **Assistant Director for Computer and Information Science and Engineering** serves as a key member of NSF's senior policy team and provides leadership and direction to CISE Directorate programs and initiatives. The incumbent is responsible for planning and implementing programs, priorities, and policy within the framework of statutory and National Science Board authority. He or she must have outstanding leadership abilities; a deep sense of scholarship; a grasp of the issues and opportunities facing the computer and information science and CISE communities; and a commitment to the goals and strategies of the National Science Foundation.

**Screening Committee Review Criteria
for Assistant Director for Computer and Information
Science and Engineering (CISE), NSF**

We are seeking demonstrated evidence of:

Strategic Vision

- Working knowledge of the major current intellectual challenges and opportunities in computer and information science and engineering.
- Ability to think strategically and formulate integrated plans for education and research activities in the computer science and infrastructure disciplines, at their interfaces, and across the boundaries with other disciplines.

Leadership, Direction, and Representation

- Ability to serve effectively as a member of NSF's senior management team, helping to develop consensus both within the CISE directorate and across the agency on agency policy and plans.
- Ability to plan, prioritize, and coordinate interagency and international research and education programs and to effect government-industry university partnerships.
- Ability to manage an organization consisting of approximately 81 scientific and support staff personnel.
- Ability to communicate NSF policy and strategic plans to the external community, including the public, the Congress, industry, and colleagues in other disciplines.

Credibility within Research and Education Community

- Deep sense of scholarship, significant contributions to CISE.
- Broad understanding of universities and other institutions where research and education in CISE is conducted.
- Familiarity with the existing U.S. and international infrastructure that supports research and education in CISE.
- High level of professional recognition in the CISE community as evidenced by positions held, publications, inventions, and/or professional awards

Commitment

- Commitment to the people, ideas and tools goals of the NSF Strategic Plan and to the strategies for achieving these goals through developing intellectual capital, integrating research and education, and promoting partnerships and an ability to conceptualize the role of CISE in achieving those goals.
- Commitment to the appointment and development of a highly qualified staff that reflects the diversity of our nation and to the equitable representation of underrepresented groups and institutions on advisory committees, in workshops, and proposal review panels.
- Commitment to equitable representation of underrepresented groups in the national computer and information science and engineering enterprise.